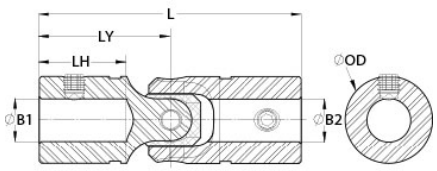
USS12-7MM-1/4"-SS

Ruland USS12-7MM-1/4"-SS, 7mm x 1/4" Single Universal Joint, Friction Bearing, Stainless Steel, Set Screw, 0.745" (18.9mm) OD, 2.688" (68.3mm) Length





Description

Ruland USS12-7MM-1/4"-SS is a single cardan friction bearing universal joint with 7mm x 0.2500" bores, 0.745" (18.9mm) OD, 2.688" (68.3mm) length, and #10-32 set screws. It is ideal for applications with space constraints and has higher torque capacity than equivalently sized double universal joints. This plain bearing universal joint is comprised of pins and blocks that are precision machined, selectively heat treated, and ground for high strength, accuracy, and wear resistance. The combination of these components with precision ground and hardened yoke ears allow for a longer lifespan, increased performance in demanding applications, and greater angular misalignment of up to 45° when compared to commodity style single universal joints. USS12-7MM-1/4"-SS is designed for use in high RPM applications up to 6000 RPM and has extended service life due to pre-lubricated maintenance free bearings. It can be combined with boot UBOOT12/19-NI-KIT to protect the joint from unwanted contaminants such as dust or water and self lubricate reducing maintenance time. This single cardan universal joint is manufactured in the USA by Belden Universal for strict control of processes.

Product Specifications

Bore (B1)	7 mm	**Small Bore (B2)**	0.2500 in
B1 Max Shaft Penetration	0.950 in (24.1 mm)	**B2 Max Shaft Penetration**	0.950 in (24.1 mm)
Joint Outer Diameter (OD)	0.745 in (18.9 mm)	**Bore Tolerance**	+0.0010 in / -0.0000 in (+0.025 mm / -0.000 mm)
Length (L)	2.688 in (68.3 mm)	**Yoke Length (LY)**	1.344 in (34.1 mm)
Hub Depth (LH)	0.950 in (24.1 mm)	**Broached Set Screw**	#10-32
Screw Finish	Bright	**Peak Torque**	875 in-lb (98.9 Nm)
Rated Torque	175 in-lb (19.8 Nm)	**Max Operating Angle**	45°
Material Specification	Yokes: 303 Stainless Steel Pins and Blocks: 416 Stainless Steel	**Manufacturer**	Belden Universal
Country of Origin	USA	**Recommended Lubricant**	LUBRIPLATE No. 1200-2
Matching Boot Cover	UBOOT12/19-NI-KIT	**UPC**	63452933724
Tariff Code	8483.60.4000	**UNSPC**	25173810
Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Prop 65	⚠**WARNING** This product can expose you to the chemical Nickel (metallic), known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.		